15 August 1999

ELSEVIER

Optics Communications 167 (1999) 317–321

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Author index to volume 167

Agrawal, G.P., Far-field diffraction of pulsed optical beams in dispersive media 167 (1999) 15
Alamo, N., see Criado, C. 167 (1999) 83
Allakhverdiev, K.R., Z.Yu. Salaeva and A.B. Orun, Two-photon absorption in $CdGa_2S_4$ and $CdGa_2S_{3.96}Se_{0.04}$ crystals 167 (1999) 95

Baranov, A.M., Enhancement of the reflectivity of multilayer X-ray mirrors by ultrathin carbon film deposition 167 (1999) 23
Barthélémy, A., see Bourliaguet, B. 167 (1999) 177
Beche, B., see Khalfallah, S. 167 (1999) 67
Belsky, A.M. and M.A. Stepanov, Internal conical refraction of coherent light beams 167 (1999) 1
Benabid, F., M. Notcutt, L. Ju and D.G. Blair, Rayleigh scattering in sapphire test mass for laser interferometric gravitational-wave detectors. I. Measurement of scattering attenuation coefficient 167 (1999) 7
Berger, C.E.H., R.P.H. Kooyman and J. Greve, Surface plasmon propagation near an index step 167 (1999) 183
Blair, D.G., see Benabid, F. 167 (1999) 7
Blom, F.C., H. Kelderman, H.J.W.M. Hoekstra, A. Driessen, Th.J.A. Popma, S.T. Chu and B.E. Little, A single channel dropping filter based on a cylindrical microresonator 167 (1999) 77
Bollanti, S., F. Bonfigli, P. Di Lazzaro, F. Flora, T. Letardi and D. Murra, Repetition-rate influence on the beam quality of a XeCl excimer laser 167 (1999) 291
Bonfigli, F., see Bollanti, S. 167 (1999) 291
Bourliaguet, B., A. Mugnier, V. Kermène, A. Barthélémy and C. Froehly, Pulsed OPO brightness improvement by means of intracavity spatial filtering 167 (1999) 177
Brun, G., see Froehly, L. 167 (1999) 27

Cha, B.H., see Kim, H.S. 167 (1999) 165
Chai, B.H.T., see Shah, L. 167 (1999) 149
Chang, C.-C., see Zheng, Z. 167 (1999) 225
Chen, X.-Y., see Zou, Y.-Q. 167 (1999) 99
Chow, Y.T., see Wang, C.Q. 167 (1999) 155
Chrostowski, J., see Mao, Y. 167 (1999) 57
Chu, S.T., see Blom, F.C. 167 (1999) 77
Clerc, M., P. Coullet and E. Tirapegui, The Maxwell-Bloch description of 1/1 resonances 167 (1999) 159
Coullet, P., see Clerc, M. 167 (1999) 159
Criado, C. and N. Alamo, Optical properties of conics: a method for obtaining reflecting and focusing profiles 167 (1999) 83

0030-4018/99/$ - see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0030-4018(99)00370-3

Delin, A., Relation between broadening and Kramers–Kronig transformation of calculated optical spectra 167 (1999) 105
Diettrich, J.C., I.T. McKinnie and D.M. Warrington, The influence of active ion concentration and crystal parameters on pulsed Cr:YAG laser performance 167 (1999) 133
Di Lazzaro, P., see Bollanti, S. 167 (1999) 291
Driessen, A., see Blom, F.C. 167 (1999) 77
Drummond, P.D., see Tang, D.Y. 167 (1999) 125
Dubreuil, P., see Khalfallah, S. 167 (1999) 67

Eichenholz, J.M., see Shah, L. 167 (1999) 149

Fan, Y.-H., see Fuh, A.Y.-G. 167 (1999) 53
Fiurášek, J., J. Křepelka and J. Peřina, Quantum-phase properties of the Kerr couplers 167 (1999) 115
Flora, F., see Bollanti, S. 167 (1999) 291
Fontaine, C., see Khalfallah, S. 167 (1999) 67
Froehly, C., see Froehly, L. 167 (1999) 27
Froehly, C., see Bourliaguet, B. 167 (1999) 177
Froehly, L., I. Verrier, C. Froehly, G. Brun and C. Veillas, Imaging with polarized light: the vectorial modulation transfer function of a polarizing plate 167 (1999) 27
Fuh, A.Y.-G., M.-S. Tsai, C.-R. Lee and Y.-H. Fan, Diffraction from a one-beam generated hologram on a polymer-dispersed liquid crystal film 167 (1999) 53

Gadonas, R., V. Jarutis, A. Marcinkevičius, V. Smilgevičius and A. Stabinis, Angular distribution of second harmonic radiation generated by Bessel beam 167 (1999) 299
Gambling, W.A., see Wang, C.Q. 167 (1999) 155
Gbur, G. and K. Kim, The quasi-homogeneous approximation for a class of three-dimensional primary sources. [Opt. Commun. 163 (1999) 20–23] 167 (1999) 311
Greve, J., see Berger, C.E.H. 167 (1999) 183

Hammons, D.A., see Shah, L. 167 (1999) 149
Hodgkinson, I.J., see Lakhtakia, A. 167 (1999) 191
Hoekstra, H.J.W.M., see Blom, F.C. 167 (1999) 77
Hole, D.E., see Vázquez, G.V. 167 (1999) 171
Hong, J., see Mao, Y. 167 (1999) 57

Ishii, Y., see Onodera, R. 167 (1999) 47

Jackson, S.D., see Tikerpae, M. 167 (1999) 283
Jarutis, V., see Gadonas, R. 167 (1999) 299
Ju, L., see Benabid, F. 167 (1999) 7

Kane, D.M., see Lawrence, J.S. 167 (1999) 273
Karkhanehchi, M.M., see Zheng, Z. 167 (1999) 225
Karpierz, M., see Khalfallah, S. 167 (1999) 67
Kelderman, H., see Blom, F.C. 167 (1999) 77
Kermène, V., see Bourliaguet, B. 167 (1999) 177
Khalfallah, S., P. Dubreuil, R. Legros, C. Fontaine, A. Munoz-Yagüe, B. Beche, H. Porte, R. Warno and M. Karpierz, Highly unbalanced GaAlAs–GaAs integrated Mach–Zehnder interferometer for coherence modulation at 1.3 μm 167 (1999) 67

Kim, H.S., D.-K. Ko, G. Lim, B.H. Cha and J. Lee, The influence of laser gain on stimulated Brillouin scattering in an active medium 167 (1999) 165
Kim, K., see Gbur, G. 167 (1999) 311
King, T.A., see Tikerpae, M. 167 (1999) 283
Ko, D.-K., see Kim, H.S. 167 (1999) 165
Konstantinov, V.I., see Podlipensky, A.V. 167 (1999) 129
Kooyman, R.P.H., see Berger, C.E.H. 167 (1999) 183
Kornis, J. and A. Németh, Fringe compensation displacement measurement using synthesized reference beam TV holography 167 (1999) 203
Křepelka, J., see Fiurášek, J. 167 (1999) 115
Kuleshov, N.V., see Podlipensky, A.V. 167 (1999) 129
Kul'minskii, A., Yu. Loiko and A. Voitovich, The effect of the vectorial degree of freedom on the dynamics of class-A lasers 167 (1999) 235

Lakhtakia, A. and I.J. Hodgkinson, Spectral response of dielectric thin-film helicoidal bianisotropic medium bilayer 167 (1999) 191
Lawrence, J.S. and D.M. Kane, Injection locking suppression of coherence collapse in a diode laser with optical feedback 167 (1999) 273
Lee, C.-R., see Fuh, A.Y.-G. 167 (1999) 53
Lee, J., see Kim, H.S. 167 (1999) 165
Legros, R., see Khalfallah, S. 167 (1999) 67
Letardi, T., see Bollanti, S. 167 (1999) 291
Levchenko, V.I., see Podlipensky, A.V. 167 (1999) 129
Lim, G., see Kim, H.S. 167 (1999) 165
Little, B.E., see Blom, F.C. 167 (1999) 77
Loiko, Yu., see Kul'minskii, A. 167 (1999) 235
Lu, Z.G., see Mao, Y. 167 (1999) 57
Luo, Z.-D., see Zou, Y.-Q. 167 (1999) 99

Majewski, M.L., see Wang, R. 167 (1999) 261
Man, W.S., see Tang, D.Y. 167 (1999) 125
Mao, Y., Z.G. Lu, J. Chrostowski, J. Hong and R. Misner, Three-stage wavelength converter based on cross-gain modulation in semiconductor optical amplifiers 167 (1999) 57
Marcinkevičius, A., see Gadonas, R. 167 (1999) 299
Marsh, J.H., see Zheng, Z. 167 (1999) 225
McKinnie, I.T., see Diettrich, J.C. 167 (1999) 133
Méndez, A., see Pacheco, M. 167 (1999) 89
Mendoza Santoyo, F., see Pacheco, M. 167 (1999) 89
Mikhailov, V.P., see Podlipensky, A.V. 167 (1999) 129
Misner, R., see Mao, Y. 167 (1999) 57
Mugnier, A., see Bourliaguet, B. 167 (1999) 177
Munoz-Yagüe, A., see Khalfallah, S. 167 (1999) 67
Murra, D., see Bollanti, S. 167 (1999) 291

Nath, S.K., R.M. Vasu and M. Pandit, Wavelet based compression and denoising of optical tomography data 167 (1999) 37
Németh, A., see Kornis, J. 167 (1999) 203
Notcutt, M., see Benabid, F. 167 (1999) 7

Onodera, R. and Y. Ishii, Time-multiplex two-wavelength heterodyne interferometer with frequency-ramped laser diodes 167 (1999) 47
Orun, A.B., see Allakhverdiev, K.R. 167 (1999) 95

Pacheco, M., A. Méndez, F. Mendoza Santoyo and L.A. Zenteno, Analysis of the spectral characteristics of piezoelectrically driven dual and triple-period optical fibre Bragg gratings 167 (1999) 89
Pandit, M., see Nath, S.K. 167 (1999) 37
Peale, R.E., see Shah, L. 167 (1999) 149
Peřina, J., see Fiurášek, J. 167 (1999) 115
Podlipensky, A.V., V.G. Shcherbitsky, N.V. Kuleshov, V.P. Mikhailov, V.I. Levchenko, V.N. Yakimovich, L.I. Postnova and V.I. Konstantinov, Pulsed laser operation of diffusion-doped Cr^{2+}:ZnSe 167 (1999) 129
Popma, Th.J.A., see Blom, F.C. 167 (1999) 77
Porte, H., see Khalfallah, S. 167 (1999) 67
Postnova, L.I., see Podlipensky, A.V. 167 (1999) 129

Rakić, A.D., see Wang, R. 167 (1999) 261
Rams, J., see Vázquez, G.V. 167 (1999) 171
Reekie, L., see Wang, C.Q. 167 (1999) 155
Richardson, M., see Shah, L. 167 (1999) 149

Salaeva, Z.Yu., see Allakhverdiev, K.R. 167 (1999) 95
Sardesai, H., see Zheng, Z. 167 (1999) 225
Shah, L., Q. Ye, J.M. Eichenholz, D.A. Hammons, M. Richardson, B.H.T. Chai and R.E. Peale, Laser tunability in Yb^{3+}:$YCa_4O(BO_3)_3$ {Yb:YCOB} 167 (1999) 149
Shcherbitsky, V.G., see Podlipensky, A.V. 167 (1999) 129
Shen, S., see Zheng, Z. 167 (1999) 225
Smilgevičius, V., see Gadonas, R. 167 (1999) 299
Stabinis, A., see Gadonas, R. 167 (1999) 299
Stepanov, M.A., see Belsky, A.M. 167 (1999) 1

Tam, H.Y., see Tang, D.Y. 167 (1999) 125
Tang, D.-Y., see Zou, Y.-Q. 167 (1999) 99
Tang, D.Y., P.D. Drummond, W.S. Man and H.Y. Tam, Observation of modulation instability in a fiber soliton ring laser 167 (1999) 125
Tikerpae, M., S.D. Jackson and T.A. King, 2.8 μm Er:YLF laser transversely pumped with a CW diode laser bar 167 (1999) 283
Tirapegui, E., see Clerc, M. 167 (1999) 159
Townsend, P.D., see Vázquez, G.V. 167 (1999) 171
Tsai, M.-S., see Fuh, A.Y.-G. 167 (1999) 53

Vasu, R.M., see Nath, S.K. 167 (1999) 37
Vázquez, G.V., J. Rams, P.D. Townsend and D.E. Hole, Improved surface quality of Nd:YAG monitored by second harmonic generation 167 (1999) 171
Veillas, C., see Froehly, L. 167 (1999) 27
Verrier, I., see Froehly, L. 167 (1999) 27
Voitovich, A., see Kul'minskii, A. 167 (1999) 235

Wang, C.Q., L. Reekie, Y.T. Chow and W.A. Gambling, Efficient blue light generation from a diode laser pumped Nd:YAG laser 167 (1999) 155
Wang, L. and A.M. Weiner, Programmable spectral phase coding of an amplified spontaneous emission light source 167 (1999) 211
Wang, R., A.D. Rakić and M.L. Majewski, Analysis of lensless free-space optical interconnects based on multi-transverse mode vertical-cavity-surface-emitting lasers 167 (1999) 261
Warno, R., see Khalfallah, S. 167 (1999) 67
Warrington, D.M., see Diettrich, J.C. 167 (1999) 133
Weiner, A.M., see Wang, L. 167 (1999) 211
Weiner, A.M., see Zheng, Z. 167 (1999) 225

Yakimovich, V.N., see Podlipensky, A.V. 167 (1999) 129
Yang, Q.-S. and N.-Y. Zhu, Dynamics and polarization properties of a self-modulated laser with an intracavity quarter-wave plate 167 (1999) 141
Yang, W.-Q., see Zou, Y.-Q. 167 (1999) 99
Ye, Q., see Shah, L. 167 (1999) 149

Zenteno, L.A., see Pacheco, M. 167 (1999) 89
Zheng, S.-B., Teleportation of atomic states via resonant atom–field interaction 167 (1999) 111
Zheng, Z., S. Shen, H. Sardesai, C.-C. Chang, J.H. Marsh, M.M. Karkhanehchi and A.M. Weiner, Ultrafast two-photon absorption optical thresholding of spectrally coded pulses 167 (1999) 225
Zhu, N.-Y., see Yang, Q.-S. 167 (1999) 141
Zou, Y.-Q., X.-Y. Chen, D.-Y. Tang, Z.-D. Luo and W.-Q. Yang, Investigation of the spectroscopic properties of acentric orthorhombic Nd^{3+}:$Gd_2(MoO_4)_3$ crystals 167 (1999) 99

ELSEVIER

15 August 1999

Optics Communications 167 (1999) 323–325

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 167

Propagation and scattering

A.M. Belsky and M.A. Stepanov, Internal conical refraction of coherent light beams 1

F. Benabid, M. Notcutt, L. Ju and D.G. Blair, Rayleigh scattering in sapphire test mass for laser interferometric gravitational-wave detectors. I. Measurement of scattering attenuation coefficient 7

G.P. Agrawal, Far-field diffraction of pulsed optical beams in dispersive media 15

A.M. Baranov, Enhancement of the reflectivity of multilayer X-ray mirrors by ultrathin carbon film deposition 23

C.E.H. Berger, R.P.H. Kooyman and J. Greve, Surface plasmon propagation near an index step 183

A. Lakhtakia and I.J. Hodgkinson, Spectral response of dielectric thin-film helicoidal bianisotropic medium bilayer 191

Optical information, image formation and analysis, optical computing

L. Froehly, I. Verrier, C. Froehly, G. Brun and C. Veillas, Imaging with polarized light: the vectorial modulation transfer function of a polarizing plate 27

S.K. Nath, R.M. Vasu and M. Pandit, Wavelet based compression and denoising of optical tomography data 37

R. Onodera and Y. Ishii, Time-multiplex two-wavelength heterodyne interferometer with frequency-ramped laser diodes 47

A.Y.-G. Fuh, M.-S. Tsai, C.-R. Lee and Y.-H. Fan, Diffraction from a one-beam generated hologram on a polymer-dispersed liquid crystal film 53

J. Kornis and A. Németh, Fringe compensation displacement measurement using synthesized reference beam TV holography 203

Optical communications

Y. Mao, Z.G. Lu, J. Chrostowski, J. Hong and R. Misner, Three-stage wavelength converter based on cross-gain modulation in semiconductor optical amplifiers 57

0030-4018/99/$ - see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0030-4018(99)00371-5

S. Khalfallah, P. Dubreuil, R. Legros, C. Fontaine, A. Munoz-Yagüe, B. Beche, H. Porte, R. Warno and M. Karpierz, Highly unbalanced GaAlAs–GaAs integrated Mach–Zehnder interferometer for coherence modulation at 1.3 μm 67

F.C. Blom, H. Kelderman, H.J.W.M. Hoekstra, A. Driessen, Th.J.A. Popma, S.T. Chu and B.E. Little, A single channel dropping filter based on a cylindrical microresonator 77

C. Criado and N. Alamo, Optical properties of conics: a method for obtaining reflecting and focusing profiles 83

M. Pacheco, A. Méndez, F. Mendoza Santoyo and L.A. Zenteno, Analysis of the spectral characteristics of piezoelectrically driven dual and triple-period optical fibre Bragg gratings 89

L. Wang and A.M. Weiner, Programmable spectral phase coding of anamplified spontaneous emission light source 211

Z. Zheng, S. Shen, H. Sardesai, C.-C. Chang, J.H. Marsh, M.M. Karkhanehchi and A.M. Weiner, Ultrafast two-photon absorption optical thresholding of spectrally coded pulses 225

Condensed matter

K.R. Allakhverdiev, Z.Yu. Salaeva and A.B. Orun, Two-photon absorption in $CdGa_2S_4$ and $CdGa_2S_{3.96}Se_{0.04}$ crystals 95

Y.-Q. Zou, X.-Y. Chen, D.-Y. Tang, Z.-D. Luo and W.-Q. Yang, Investigation of the spectroscopic properties of acentric orthorhombic Nd^{3+}:$Gd_2(MoO_4)_3$ crystals 99

A. Delin, Relation between broadening and Kramers–Kronig transformation of calculated optical spectra 105

Quantum optics

S.-B. Zheng, Teleportation of atomic states via resonant atom–field interaction 111

J. Fiurášek, J. Křepelka and J. Peřina, Quantum-phase properties of the Kerr couplers 115

D.Y. Tang, P.D. Drummond, W.S. Man and H.Y. Tam, Observation of modulation instability in a fiber soliton ring laser 125

Laser physics and laser sources

A.V. Podlipensky, V.G. Shcherbitsky, N.V. Kuleshov, V.P. Mikhailov, V.I. Levchenko, V.N. Yakimovich, L.I. Postnova and V.I. Konstantinov, Pulsed laser operation of diffusion-doped Cr^{2+}:ZnSe 129

J.C. Diettrich, I.T. McKinnie and D.M. Warrington, The influence of active ion concentration and crystal parameters on pulsed Cr:YAG laser performance 133

Q.-S. Yang and N.-Y. Zhu, Dynamics and polarization properties of a self-modulated laser with an intracavity quarter-wave plate 141

L. Shah, Q. Ye, J.M. Eichenholz, D.A. Hammons, M. Richardson, B.H.T. Chai and R.E. Peale, Laser tunability in Yb^{3+}:$YCa_4O(BO_3)_3$ {Yb:YCOB} 149

C.Q. Wang, L. Reekie, Y.T. Chow and W.A. Gambling, Efficient blue light generation from a diode laser pumped Nd:YAG laser 155

A. Kul'minskii, Yu. Loiko and A. Voitovich, The effect of the vectorial degree of freedom on the dynamics of class-A lasers 235

R. Wang, A.D. Rakić and M.L. Majewski, Analysis of lensless free-space optical interconnects based on multi-transverse mode vertical-cavity-surface-emitting lasers 261

J.S. Lawrence and D.M. Kane, Injection locking suppression of coherence collapse in a diode laser with optical feedback 273

M. Tikerpae, S.D. Jackson and T.A. King, 2.8 μm Er:YLF laser transversely pumped with a CW diode laser bar 283

S. Bollanti, F. Bonfigli, P. Di Lazzaro, F. Flora, T. Letardi and D. Murra, Repetition-rate influence on the beam quality of a XeCl excimer laser 291

Nonlinear optics

M. Clerc, P. Coullet and E. Tirapegui, The Maxwell-Bloch description of 1/1 resonances 159

H.S. Kim, D.-K. Ko, G. Lim, B.H. Cha and J. Lee, The influence of laser gain on stimulated Brillouin scattering in an active medium 165

G.V. Vázquez, J. Rams, P.D. Townsend and D.E. Hole, Improved surface quality of Nd:YAG monitored by second harmonic generation 171

B. Bourliaguet, A. Mugnier, V. Kermène, A. Barthélémy and C. Froehly, Pulsed OPO brightness improvement by means of intracavity spatial filtering 177

R. Gadonas, V. Jarutis, A. Marcinkevičius, V. Smilgevičius and A. Stabinis, Angular distribution of second harmonic radiation generated by Bessel beam 299

Erratum

G. Gbur and K. Kim, The quasi-homogeneous approximation for a class of three-dimensional primary sources. [Opt. Commun. 163 (1999) 20–23] 311

Author index 317

Subject index 323